

## ABSTRACT

According to an embodiment of the invention, a method and system for storing data entered by a user in a remote relational database involves saving data as a plurality of software components at a server; converting the plurality of software components into a first string and a second string wherein the first string comprises a markup language format that substantially mimics the software components and the second string comprises a serialized string format of the plurality of software components; compressing the first string and the second string; transmitting the compressed first string and the compressed second string to a receiving server; and storing the compressed first string and the compressed second string in a relational database. According to another embodiment of the invention, a method and system for retrieving data from a remote relational database, as requested by a user at a user location involves requesting data from a relational database through a requesting server; retrieving a compressed first string and a compressed second string from a relational database; transmitting the compressed first string and the compressed second string to the requesting server; decompressing the compressed first string and the compressed second string; converting the second string to an original plurality of software components wherein the second string represents a serialized string format of the plurality of software components comprising a string of characters; determining whether the second string was converted; converting the first string to an original plurality of software components if the second string was not converted, wherein the first string represents a markup language format that substantially mimics the software components; and displaying the original plurality of software components via a user interface.